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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/602,315
		Filing Date	June 24, 2003
		First Named Inventor	Ahn, Kie
		Group Art Unit	2891
		Examiner Name	Sarkar, Asok
Sheet 1 of 1		Attorney Docket No: 1303.107US1	

US PATENT DOCUMENTS				
Examiner Initials*	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
AKS	US-2004/0164365-A1	08/26/2004	Ahn, Kie Y., et al.	02/27/2004
AKS	US-6,921,702	07/26/2005	Ahn, K. Y., et al.	07/30/2002

FOREIGN PATENT DOCUMENTS				
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T ²

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS				
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Substitute Disclosure Statement Form (PTO-1449)

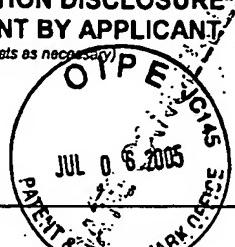
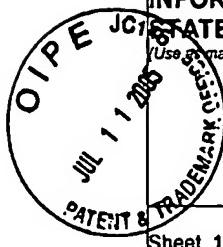
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Complete if Known

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US PATENT DOCUMENTS

Examiner Initial	HISP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
AKS	US-2002/0111001-A1	08/15/2002	Ahn, Kie Y.	02/09/2001
	US-2002/0155688-A1	10/24/2002	Ahn, Kie Y.	04/20/2001
	US-2002/0155689-A1	10/24/2002	Ahn, Kie Y.	02/11/2002
	US-2002/0192975-A1	12/19/2002	Ahn, Kie Y.	06/17/2002
	US-2002/0192979-A1	12/19/2002	Ahn, Kie Y.	06/17/2002
	US-2003/0003702-A1	01/02/2003	Ahn, Kie Y.	08/26/2002
	US-2003/0017717-A1	01/23/2003	Ahn, Kie Y.	07/18/2001
	US-2003/0043637-A1	03/06/2003	Forbes, Leonard , et al.	08/30/2001
	US-2003/0045060-A1	03/06/2003	Ahn, Kie Y.	08/30/2001
	US-2003/0045078-A1	03/06/2003	Ahn, Kie Y., et al.	08/30/2004
	US-2003/0049942-A1	03/13/2003	Haukka, S. , et al.	08/22/2002
	US-2003/0059535-A1	03/27/2003	Luo, L. , et al.	09/25/2001
	US-2003/0119246-A1	06/26/2003	Ahn, Kie Y.	12/20/2001
	US-2003/0119291-A1	06/26/2003	Ahn, Kie Y., et al.	12/20/2001
	US-2003/0132491-A1	07/17/2003	Ahn, Kie Y.	01/17/2002
	US-2003/0207032-A1	11/06/2003	Ahn, Kie Y., et al.	05/02/2002
	US-2003/0207540-A1	11/06/2003	Ahn, Kie Y., et al.	05/02/2002
	US-2003/0227033-A1	12/11/2003	Ahn, Kie Y., et al.	06/05/2002
	US-2004/0023461-A1	02/05/2004	Ahn, Kie Y., et al.	07/30/2002
	US-2004/0038554-A1	02/26/2004	Ahn, Kie Y.	08/21/2002
	US-2004/0043541-A1	03/04/2004	Ahn, Kie Y.	08/29/2002
	US-2004/0043569-A1	03/04/2004	Ahn, Kie Y.	08/28/2002
	US-2004/0043635-A1	03/04/2004	Vaartstra, B. A.	08/28/2002
	US-2004/0110348-A1	06/10/2004	Ahn, Kie Y., et al.	12/04/2002
	US-2004/0110391-A1	06/10/2004	Ahn, K. Y., et al.	12/04/2002
	US-2004/0134365-A1	08/26/2004	Ahn, Kie Y., et al.	02/27/2004
	US-2004/0164357-A1	08/26/2004	Ahn, Kie Y., et al.	02/27/2004
	US-2004/0175882-A1	09/09/2004	Ahn, Kie Y., et al.	03/04/2003
	US-2004/0183108-A1	09/23/2004	Ahn, Kie Y.	01/27/2004
	US-2004/0185654-A1	09/23/2004	Ahn, Kie Y.	01/30/2004
	US-2004/0264236-A1	12/30/2004	Chae, S. , et al.	04/30/2004
	US-2005/0009370-A1	01/13/2005	Ahn, Kie Y.	08/04/2004
	US-2005/0026349-A1	02/03/2005	Forbes, L. , et al.	09/01/2004
	US-2005/0037563-A1	02/17/2005	Ahn, Kie Y.	08/31/2004
	US-2005/0054165-A1	03/10/2005	Ahn, K. Y., et al.	03/31/2003
	US-2005/0077519-A1	04/14/2005	Ahn, Kie , et al.	10/10/2003
	US-2005/0124174-A1	06/09/2005	Ahn, K. Y., et al.	01/07/2005
	US-5,049,516	09/17/1991	Arima, H.	12/15/1989
	US-5,426,603	06/20/1995	Nakamura, , et al.	01/25/1994
AKS	US-6,509,280	01/21/2003	Choi, Sung-Je	02/13/2002

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DATE CONSIDERED

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		Group Art Unit	2891
		Examiner Name	Sarkar, Asok
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AKS	US-6,541,079	04/01/2003	Bojarczuk, Jr., N. A., et al.	10/25/1999
	US-6,770,536	08/03/2004	Wilk, G. D., et al.	10/03/2002
	US-6,787,413	09/07/2004	Ahn, Kie Y.	06/17/2002
	US-6,790,791	09/14/2004	Ahn, Kie Y., et al.	08/15/2002
	US-6,800,567	10/05/2004	Cho, H. J.	08/22/2002
	US-6,812,100	11/02/2004	Ahn, K. Y., et al.	03/13/2002
	US-6,884,739	04/26/2005	Ahn, K. Y., et al.	08/15/2002
	US-6,893,984	05/17/2005	Ahn, K. Y., et al.	02/20/2002
AKS	US-6,900,122	05/31/2005	Ahn, K. Y., et al.	12/20/2001

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (In CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AKS		AHN, KIE Y., et al., "ALD OF AMORPHOUS LANTHANIDE DOPED TIOX FILMS", U.S. Application Serial No. 11/092,072; filed March 29, 2005 (Atty. Dkt. No. 1303.135US1)	
		AHN, KIE Y., et al., "ATOMIC LAYER DEPOSITED HAFNIUM TANTALUM OXIDE DIELECTRICS", U.S. Application Serial No. 11/029,757; filed January 5, 2005 (Atty. Dkt. No. 1303.127US1)	
		AHN, KIE Y., et al., "ATOMIC LAYER DEPOSITED LANTHANUM ALUMINUM OXIDE DIELECTRIC LAYER", U.S. Application Serial No. 10/930,167; filed August 31, 2004 (Atty. Dkt. No. 1303.122US1)	
		AHN, KIE Y., et al., "ATOMIC LAYER DEPOSITED LANTHANUM HAFNIUM OXIDE DIELECTRICS", U.S. Application Serial No. 11/010,529; filed December 13, 2004 (Atty. Dkt. No. 1303.126US1)	
		AHN, KIE Y., et al., "ATOMIC LAYER DEPOSITED TITANIUM ALUMINUM OXIDE FILMS", U.S. Application Serial No. 10/931,533; filed August 31, 2004 (Atty. Dkt. No. 1303.119US1)	
		AHN, KIE Y., et al., "ATOMIC LAYER DEPOSITION OF Hf ₃ N ₄ /HfO ₂ FILMS AS GATE DIELECTRICS", U.S. Application Serial No. 11/063,717; filed February 23, 2005 (Atty. Dkt. No. 1303.134US1)	
		AHN, KIE Y., et al., "ATOMIC LAYER DEPOSITION OF ZIRCONIUM-DOPED TANTALUM OXIDE FILMS", U.S. Application Serial No. 10/909,959; filed August 2, 2004 (Atty. Dkt. No. 1303.114US1)	
		AHN, KIE Y., et al., "ATOMIC LAYER DEPOSITION OF Zr ₃ N ₄ /ZrO ₂ FILMS AS GATE DIELECTRICS", U.S. Application Serial No. 11/058,563; filed February 15, 2005 (Atty. Dkt. No. 1303.133US1)	
		AHN, KIE Y., et al., "HYBRID ALD-CVD OF Pr _x YO _y /ZrO ₂ FILMS AS GATE DIELECTRICS", U.S. Application Serial No. 11/010,766; filed December 13, 2004 (Atty. Dkt. No. 1303.129US1)	
AKS		AHN, KIE Y., et al., "RUTHENIUM GATE FOR A LANTHANIDE OXIDE DIELECTRIC LAYER", U.S. Application Serial No. 10/926,812; filed August 26, 2004 (Atty. Dkt. No. 1303.121US1)	

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